

## **TECHNICAL DATA SHEET**

### **NEOQUARZ**

#### **Technical characteristics**

NEOQUARZ by OIKOS is a special washable, acrylic, quartz paint for exteriors. The product's formulation combines the resistance properties of quartz with the special qualities of acrylic resins such as, mechanic resistance to frost-thaw cycle, U.V.-rays and acids resistance, outstanding vapour permeability, water-repellent power, weatherability and excellent coverage. NEOQUARZ by OIKOS provides a matt smooth finish and is available in a wide colour range. It is recommended for the protection and decoration of prestige buildings, even when located in weather beaten environments. In case a higher prevention against algae and moulds is required we suggest the addition of the specific sanitizing product STERYLPLUS. It has a low odour level, is non-inflammable and friendly to both humans and the environment.

#### **Ideal use**

Exterior walls.

#### **Surface preparation**

In case of old or previously painted substrates, brush or wash away stains and dust, remove loose or flaking materials, then apply one coat of the special primer NEOKRYLL by OIKOS. Wait 4 ÷ 6 hours until dry. In case of new plasters, make sure the substrate is thoroughly dry and mature and then apply one coat of primer BLANKOR by OIKOS to improve adhesion and render the absorption homogenous, allow 6 ÷ 8 hours to dry.

#### **Application method**

Apply two coats of NEOQUARZ diluted with 20 ÷ 30% drinkable water by brush, roller or spray gun (1.7 mm nozzle), waiting 6 hours between coats

#### **Finish**

In order to give the surface a paint wash effect, it is possible to apply, once the surface is thoroughly dry, a coat of VELDECOR by OIKOS going over the surface with a brush, sponge or glove by OIKOS.

#### **Technical characteristics: the application**

Dilution:	20 ÷ 30% with drinkable water
Yield:	4 ÷ 5 m <sup>2</sup> /l in two coats depending on the type of surface
Application tools:	Brush, roller or spray gun (nozzle 1.7mm)
Primers:	NEOKRYLL, BLANKOR, by OIKOS
Application temperature:	+5°C ÷ +36°C ( with relative humidity not exceeding 80%)
Drying time: tack free:	2 ÷ 3 h (temperature = 20°C with relative humidity 75%)
Drying time: fully cured:	24 h (temperature = 20°C with relative humidity 75%)
Tools cleaning:	water

#### **Technical characteristics: the product**

Composition:	Acrylic resins in water dispersion, quartz powder, titanium dioxide based high covering fillers, organic and inorganic pigments, additives to aid
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**SCHEMA TECNICA EXT/nq/05**

	application and formation of the surface film.
Specific weight:	1,55 kg/l +/- 3% (white)
PH:	7,5 ÷ 8,5
Viscosity:	21.000 +/-10% CPS Brookfield (RVT 20 revs/min. at 25°C)
Storage temperature:	+2°C ÷ +36°C. Keep from freezing
Fire reaction:	Negative if applied onto a non inflammable surface; water based material with dry thickness of less than 0.600 mm
Water absorption W24:	0,4 kg/m <sup>2</sup> .h <sup>0,5</sup> DIN 52 617 (max allowed limit 0,5 kg/m <sup>2</sup> . h <sup>0,5</sup> DIN 52 617)
Vapour permeability Sd:	0,3 m (max allowed limit 2 m DIN 52 615)
Resistance to washing:	Conforms to the norm DIN 53 778, resistant to at least 1,000 abrasive cycles.
Resistance to abrasion:	conforms to the norm DIN 53 778, resistant to more than 5.000 abrasive cycles.
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:	Classification: A/c ; VOC: 16 g/l (max); Limit Phase I (from 1.1.2007): 75 g/l, Limit Phase II (from 1.1.2010): 40 g/l
Available colours:	White + shades from the colour chart
Packaging:	Litres 1 - 4 - 14

**Toxicological data**

The product is free of heavy metals such as lead or chrome. It does not contain toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is considered to be a non-dangerous substance if used in the technically correct manner. Normal cautionary measures for the handling of water based paints are advised. No special arrangements are required for the storage and movement of the product; the containers, residue, eventual spilt material should be cleaned up using absorbent inert material such as sand, soil etc. etc. and then disposed of in accordance with the regional and national regulations in force at that time. Transportation must be carried out in accordance with international agreements

**Specifications**

In case of old or previously painted substrates, brush or wash away smog and dust, remove loose or flaking materials. Apply one coat of a primer such as NEOKRYLL by OIKOS. In case of new plasters, make sure the substrate is thoroughly dry and mature, apply one coat of a primer such as BLANKOR by OIKOS to improve adhesion and render the absorption homogenous. Then apply two coats of a water-based decorative acrylic paint such as NEOQUARZ by OIKOS, waiting 6 hours between coats. All must be carried out in accordance with the norms of application, at a cost of ..... m<sup>2</sup> inclusive of materials and labour.

**Note**

The company Oikos S.r.l guarantees, to the best of its own technical and scientific knowledge, that the information contained in this technical data sheet is correct. Notwithstanding that indicated above, Oikos takes no responsibility for the results obtained through the use of this product in as much as it is not possible for Oikos to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put.